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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/485,153	02/04/2000	OSAMU YOKOYAMA	105026	1568

25944 7590 06/25/2003

OLIFF & BERRIDGE, PLC  
P.O. BOX 19928  
ALEXANDRIA, VA 22320

EXAMINER

CHOWDHURY, TARIFUR RASHID

ART UNIT	PAPER NUMBER
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2871

DATE MAILED: 06/25/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Suppl. Notice of Allowability**

Application No.

09/485,153

Examiner

Tarifur R Chowdhury

Applicant(s)

YOKOYAMA ET AL.

Art Unit

2871

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to interview held on 06/17/03.
2. ☒ The allowed claim(s) is/are 1-4,6,7,9-11,14-16 and 19-30.
3. ☒ The drawings filed on 04 February 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)  | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | 4 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. _____. |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____.              | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment                  |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance            |
|  | 9 <input checked="" type="checkbox"/> Other PTOL-271.                               |

<b>Response to Rule 312 Communication</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/485,153	YOKOYAMA ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Tarifur R Chowdhury	2871	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

1. ☒ The amendment filed on 12 May 2003 under 37 CFR 1.312 has been considered, and has been:

a) ☒ entered.

b) ☐ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.

amdt H  
# 25  
T.R.C.  
06/17/03

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Jeff Lillywhite (Registration # 53220) (for Mr. Eric Morehouse) on 06/17/03.

The application has been amended as follows:

✓ In page 3, line 11, "cited in claim 1" has been changed to –in accordance with first aspect--.

✓ In page 3, line 24, "cited in claim 2" has been changed to –in accordance with second aspect--.

H ✓ In page 3, line 25, "cited in claim 1" has been changed to –described in the first aspect—

✓ In page 4, line 8, "cited in claim 3" has been changed to –in accordance with third aspect--.

✓ In page 4, line 9, "cited in claim 1 or claim 2" has been changed to –described in the first aspect or the second aspect—

✓ In page 4, line 14, "cited in claim 4" has been changed to –in accordance with forth aspect--.

✓ In page 4, line 15, "cited in any one of claims 1 to 3" has been changed to –described in any one of the first to third aspects--.

/In page 4, line 23, "cited in claim 5" has been changed to –in accordance with fifth aspect--.

✓In page 4, line 24, "cited in claim 4" has been changed to –described in the forth aspect--.

✓In page 5, line 6, "cited in claim 6" has been changed to –in accordance with sixth aspect--.

✓In page 5, line 7, "cited in claim 5" has been changed to –described in the fifth aspect--.

✓In page 5, line 15, "cited in claim 7" has been changed to –in accordance with seventh aspect--.

H ✓In page 5, line 16, "cited in claim 5" has been changed to –described in the fifth aspect--.

✓In page 5, line 24, "cited in claim 8" has been changed to –in accordance with eighth aspect--.

✓In page 5, line 25, "cited in any one of claims 1 to 3" has been changed to –described in any one of the first to third aspects--.

✓In page 6, line 9, "cited in claim 9" has been changed to –in accordance with ninth aspect--.

✓In page 6, line 10, "cited in any one of claims 1 to 3" has been changed to –described in any one of the first to third aspects--.

✓In page 6, line 21, "cited in claim 10" has been changed to –in accordance with tenth aspect--.

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✓ In page 6, line 22, "cited in claim 9" has been changed to –described in the ninth aspect--.

✓ In page 7, line 3, "cited in claim 11" has been changed to –in accordance with eleventh aspect--.

✓ In page 7, line 4, "cited in claim 9" has been changed to –described in the ninth aspect--.

✓ In page 7, line 11, "cited in claim 12" has been changed to –in accordance with twelfth aspect--.

✓ In page 7, line 12, "cited in claim 9" has been changed to –described in the ninth aspect--.

✓ In page 7, line 25, "cited in claim 13" has been changed to –in accordance with thirteenth aspect--.

✓ In page 7, line 26, cited in claim 12" has been changed to –described in the twelfth aspect--.

✓ In page 8, line 18, "cited in claim 14" has been changed to –in accordance with fourteenth aspect--.

✓ In page 8, line 19, "cited in any one of claims 1 to 3" has been changed to –described in any one of the first to third aspects--.

✓ In page 8, line 25, "cited in claim 15" has been changed to –in accordance with fifteenth aspect--.

✓ In page 8, line 26, "cited in claim 14" has been changed to –described in the fourteenth aspect--.

✓ In page 9, line 8, "cited in claim 16" has been changed to –in accordance with sixteenth aspect--.

✓ In page 9, line 9, "cited in claim 14" has been changed to –described in the fourteenth aspect--.

✓ In page 9, line 18, "cited in claim 17" has been changed to –in accordance with seventeenth aspect--.

✓ In page 9, line 19, "cited in claims 14 to 16" has been changed to –described in the fourteenth to sixteenth aspects--.

✓ In page 10, line 7, "cited in claim 18" has been changed to –in accordance with eighteenth aspect--.

H ✓ In page 10, line 8, "cited in claim 17" has been changed to –described in the seventeenth aspect--.

✓ In page 10, line 21, "cited in claim 19" has been changed to –in accordance with nineteenth aspect--.

✓ In page 10, line 22, "cited in any one of claims 1 to 18" has been changed to –described in any one of the first to eighteenth aspects--.

✓ In page 11, line 4, "cited in claim 20" has been changed to –in accordance with twentieth aspect--.

✓ In page 11, line 5, "cited in any one of claims 1 to 18" has been changed to –described in any one of the first to eighteenth aspects--.

✓ In page 11, line 12, "cited in claim 21" has been changed to –in accordance with twenty-first aspect--.

/In page 11, lines 13-14, "cited in any one of claims 1 to 20" has been changed to  
—described in any one of the first to twentieth aspects--.

✓In page 11, line 21, "cited in claim 22" has been changed to —in accordance with  
twenty-second aspect--.

✓In page 11, line 22, "cited in claim 21" has been changed to —described in the  
twenty-first aspect--.

✓In page 12, line 7, "cited in claim 23" has been changed to —in accordance with  
twenty-third aspect--.

✓In page 12, line 8, "cited in claim 22" has been changed to —described in the  
twenty-second aspect--.

✓In page 12, line 15, "cited in claim 24" has been changed to —in accordance with  
the twenty-fourth aspect--.

✓In page 12, line 16, "cited in claim 22" has been changed to —described in the  
twenty-second aspect--.

✓In page 12, line 22, "cited in claim 25" has been changed to —in accordance with  
twenty-fifth aspect--.

✓In page 12, line 23, "cited in claim 22" has been changed to —described in the  
twenty-second aspect--.

✓In page 13, line 4, "cited in claim 26" has been changed to —in accordance with  
twenty-sixth aspect--.

✓In page 13, line 6, "cited in any one of claims 1 to 20" has been changed to —  
described in any one of the first to twentieth aspects--.



/ In page 14, line 6, "cited in claim 27" has been changed to –in accordance with twenty-seventh aspect--.

/ In page 14, line 7, "cited in claim 26" has been changed to –described in the twenty-sixth aspect--.

/ In page 14, line 16, "cited in claim 28" has been changed to –in accordance with twenty-eighth aspect--.

H / In page 14, line 17, "cited in claim 26" has been changed to –described in the twenty-sixth aspect--.

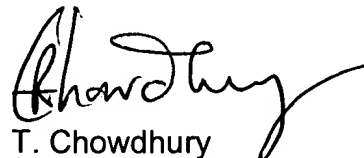
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tarifur R Chowdhury whose telephone number is (703) 308-4115. The examiner can normally be reached on M-Th (6:30-5:00) Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William L Sikes can be reached on (703) 305-4842. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7005 for regular communications and (703) 308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

TRC  
June 18, 2003

  
T. Chowdhury  
Primary Examiner  
Technology Center 2800